

# Hungary lead-acid battery energy storage project

European energy company MET Group has inaugurated its 40-megawatt battery storage system in Székesfehérvár, Hungary, indicating a strong push toward renewable energy for the region.

Hungary has officially announced a large-scale residential battery energy storage subsidy program, signaling a major acceleration of energy storage deployment across Central and Eastern Europe.

Situated at the Dunamenti Power Station in Székesfehérvár, the new battery energy storage system builds on MET Group's earlier 4 MW / 8 MWh demonstrator plant installed in 2022.

In August 2022, Contemporary Amperex Technology Co., Ltd. (CATL) announced it would invest EUR 7.34 billion in the construction of a battery plant in Debrecen, Hungary, with 100 GWh capacity.

A subsidy scheme in Hungary for energy storage will drive huge growth in BESS deployments over the next few years.

Under the initiative, households can install 10 kW battery energy storage systems, with a non-refundable subsidy of HUF 2.5 million to support the purchase.

Hungarian Energy and Public Utility Regulatory Authority (MEKH) has added a requirement for battery storage capacity to accompany projects bidding in its newly-launched renewable energy tender.

Hungary's largest operating standalone battery energy storage system (BESS) has been inaugurated today: MET Group put into operation a battery electricity storage plant with total nominal capacity of 40 MWh.

Lead-acid batteries are a type of rechargeable battery that uses a chemical reaction between lead and sulfuric acid to store and release electrical energy. They are commonly used in a variety of applications.

This paper examines the development of lead-acid battery energy-storage systems (BESSs) for utility applications in terms of their design, purpose, benefits and challenges.

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